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**Work Plan**  
**ENVIRONMENTAL ASSESSMENT**  
**CONSTRUCTION OF INTERSTATE 17/**  
**DAISY MOUNTAIN TRAFFIC INTERCHANGE**

**I. INTRODUCTION**

ENTRANCO shall be responsible for preparing an Environmental Assessment (EA) and related analyses (including field investigations/technical studies), agency coordination, public involvement, and technical report preparation necessary to produce draft and final environmental assessments for the development of the I-17/Daisy Mountain Traffic Interchange. The work shall be completed in accordance with the National Environmental Policy Act (NEPA) and other applicable federal, state and local environmental regulations, including but not necessarily limited to those listed in Appendix A of this work plan.

**II. PUBLIC INVOLVEMENT PLAN**

ENTRANCO shall be responsible for the development of a Public Involvement Plan that identifies the number, purpose, and schedule for public information meetings and the Public Hearing as well as any additional efforts to foster public relations and provide community involvement. These activities may include newsletters, construction alerts, or meeting with citizen committees or local organizations. ADOT and the design consultant under contract with the Del Webb Corporation (design consultant) will be responsible for reviewing a draft of the Public Involvement Plan and providing comments to ENTRANCO for revision of the plan, if warranted. ENTRANCO will coordinate responses to public comments with ADOT and the design consultant. ENTRANCO shall be responsible for the following tasks necessary to assist ADOT in preparing and conducting each public meeting and hearing.

1. Develop a mass mailing list including public and pertinent agency contacts.
2. Prepare a display advertisement announcing the meeting for publication in local newspapers. ADOT will coordinate publication of the display ad in the Arizona Republic. ENTRANCO will coordinate publication of the display ad with the local and community newspapers.
3. Prepare letters to applicable agencies and jurisdictions for agency scoping meeting. The letters will describe the project and announce the meeting.
4. Identify and secure a meeting location, and schedule meeting.
5. Hand-distribute announcements of public meetings to affected property owners, if warranted.
6. Distribute display advertisement as a flier to all people on the mailing list for meetings.
7. Prepare handout materials (including sign-in sheets, comment sheets, and ancillary materials) not to exceed two hundred (200) copies at ten (10) pages per copy.
8. Prepare up to seven (7) 24-inch by 36-inch presentation exhibits for use at the meeting using graphic materials provided by ADOT and its project design consultant.
9. Secure two (2) court reporters to record comments at the public scoping meeting and at the hearing.
10. Attend the meeting at an advisory level to answer questions, and if requested by ADOT,

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- give a presentation.
11. Prepare a summary of meeting comments received.

ADOT will be responsible for publishing legal notices as needed, and providing liability insurance for each public meeting.

Tasks III and IV of this scope further define ENTRANCO's responsibility for public involvement.

### **III. SCOPING**

#### *A. Public Scoping Meeting*

Four staff members from ENTRANCO shall be available to attend one public scoping meeting and make presentations at the request of ADOT, in accordance with the Public Involvement Plan (Task II). The purpose of this meeting shall be to inform the public of the preliminary scope and anticipated schedule of the project and to provide the public with the opportunity to provide input. It is assumed that no more than one public meeting will be held during the scoping phase for this project. ENTRANCO shall be responsible for the tasks identified in Task II, including hand-delivering announcements to affected property owners, as necessary to assist ADOT in the conduct of the public scoping meeting.

#### *B. Agency Scoping Meeting*

ENTRANCO shall be available to attend one agency scoping meeting and make presentations at the request of ADOT, in accordance with the Public Involvement Plan (Task II). The purpose of this meeting shall be to inform affected agencies of the preliminary scope and anticipated schedule of the project and to provide agencies with the opportunity to provide input. ENTRANCO will send scoping letters to all affected agencies and jurisdictions. It is assumed that no more than one agency scoping meeting will be held during the scoping phase for this project. ENTRANCO shall be responsible for the tasks identified in Task II as necessary to assist ADOT in the conduct of the agency scoping meeting.

#### *C. Scoping Report*

Public and agency scoping will culminate in a scoping report. The scoping report will summarize key project issues. Order of magnitude evaluations will be conducted to compare the initial alternatives being considered at the interchange, and fatal flaws will be addressed in an environmental overview. The scoping report will be incorporated into the Alternatives Selection Report. This information will serve as a tool for helping to determine which alternatives should be carried forward for complete evaluation in the Design Concept Report and EA.

### **IV. ENVIRONMENTAL ASSESSMENT**

#### *A. Alternatives Selection Process*

This scope of work is based on the analysis of no more than two action alternatives. It is assumed that the

no-action alternative will be treated as an alternative considered but not analyzed in detail in the EA. Prior to impact analysis in the EA, it will be the responsibility of ADOT, its design consultant, and ENTRANCO to select no more than two action alternatives to be analyzed in the EA. It is assumed that the alternatives selection process will use a multi-disciplinary approach consistent with the intent of NEPA. Before beginning detailed analysis in the EA, ADOT will review the findings of the Alternatives Selection Report and the Purpose and Need Memorandum, which is to be prepared jointly by ENTRANCO and the design consultant, to ensure that the process and conclusions are consistent with ADOT procedures. ADOT will request that the Federal Highway Administration (FHWA) review the findings of the Alternatives Selection Report before ENTRANCO begins the EA documentation.

Upon alternatives selection and prior to commencement of impact analysis, it is assumed that the design consultant will provide ENTRANCO with project data for all alternatives, including but not limited to: a narrative description of purpose and need; plans and applicable data files showing major design features including alignment; right-of-way requirements; edge of pavement treatment; typical cross sections; estimated structure lengths; excavation requirements; and preliminary estimated costs.

Changes in the alternatives, the addition of new alternatives, and/or design options that occur after commencement of the impact analysis may require additional analysis. ENTRANCO shall notify the ADOT Environmental Planning Section (EPS) Monitor immediately if such changes do occur to discuss scope and schedule ramifications.

#### *B. Public Information Meeting*

ENTRANCO shall be available to attend one public information meeting and make presentations at the request of ADOT, in accordance with the Public Involvement Plan (Task II). Four ENTRANCO staff, including air quality and noise specialists will attend the meeting. It is assumed that ENTRANCO shall coordinate and attend one team meeting prior to the public information meeting, and that no more than one public meeting will be held prior to submittal of the Draft EA to the FHWA. The purpose of the meeting shall be to inform the public of the alternatives selection process, scope and status of the project prior to commencement of detailed environmental analysis, and provide the public an opportunity to comment on the project.

#### *C. Draft Environmental Assessment*

ENTRANCO shall prepare a Draft EA in accordance with the FHWA guidelines for compliance with NEPA and in accordance with ADOT's most recent guidance for NEPA documentation. ENTRANCO shall coordinate and hold a kick-off meeting to begin this task. The meeting's purpose is to discuss the project description, proposed methods of environmental evaluation, anticipated involvement with other agencies, report formats, etc. After this coordination, ENTRANCO shall issue scoping letters to affected federal, state, and local agencies and identified special interest groups to identify anticipated effects, both temporary and permanent, of the proposed project.

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The EA shall include the contents listed below:

1. List of Mitigation Measures

All mitigation described in the main text of the EA will be summarized here. Each mitigation will be reviewed for feasibility and consistency with current federal regulations and ADOT standards. Each mitigation shall briefly state the impact that would be mitigated by the measure proposed. No figures are anticipated for this section of the EA.

2. Chapter 1 - Project Description, Location, Existing Conditions, Purpose and Need for the Project, and Project Components

This chapter will provide a detailed project description, including the project location (with state and vicinity maps), the project purpose and need, existing project area characteristics, and project components. The need for new right-of-way, temporary construction easements, land use and land ownership will be identified. Existing and projected traffic volumes and conditions will be presented, and an estimated construction cost will be provided.

Up to five figures depicting the project vicinity, project corridor, specific project limits, existing roadway plan view, and existing roadway sections are anticipated for this chapter of the EA. The design consultant will provide electronic files of the roadway plan, profile and roadway sections; and will also provide information regarding right-of-way requirements; alignments; freeway access; drainage and utility requirements; construction schedule and sequencing; and preliminary cost estimates for each alternative. The design consultant also will provide recent aerial photography to ENTRANCO.

3. Chapter 2 - Alternatives Considered

Chapter 2 will begin by presenting the alternatives that were considered but eliminated from further consideration. The discussion shall briefly state the reasons these alternatives were eliminated. Two figures are assumed for this chapter of the EA.

Chapter 2 will then identify the action alternatives retained for study in the EA. All major design features including plan views, roadway sections, right-of-way requirements, alignments, lighting, freeway and frontage access, drainage, utilities requirements, structural modifications, materials and disposal sites, traffic control, earthwork, construction schedule and sequencing and preliminary cost estimates will be presented, as identified by the design consultant.

Six figures are assumed for this chapter of the EA. Where possible, ENTRANCO shall use information provided by the design and traffic consultants in preparing the figures.

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4. Chapter 3 – Economic and Environmental Considerations

ENTRANCO shall be responsible for analysis of the economic and environmental elements listed below.

a. *Land Use (existing and proposed)*

Existing land use and zoning within and adjacent to the project area will be described and potential impacts on existing and proposed land uses will be addressed.

*Land Ownership*

Land ownership of parcels immediately adjacent to the project will be identified and the potential effects will be qualitatively described. The amount of right-of-way acquisition necessary for the project will be revisited.

b. *Minority Groups (neighborhoods, businesses, residences, etc.) and Environmental Justice*

This section will identify existing concentrations of minority and low-income groups as well as potential impacts on these populations consistent with Executive Order 12898 (and Title VI of the Civil Rights Act). This section will also address relocation assistance for minorities under the ADOT Relocation Assistance Program, as applicable.

c. *Social (includes public schools and parks, churches, medical facilities, public transit, police and fire services, and issues of relocation and community disruption)*

*Services*

This section will identify and describe existing public services that may be affected by the project and qualitatively describe potential effects including changes in service travel time and circuitry of access.

*Relocations*

Relocations are not anticipated for this project. Therefore, relocation opportunities shall be qualitatively discussed consistent with the provisions set forth in the Uniform Relocation Act and ADOT's Relocation Assistance Program, as applicable. Factors such as vacancy rates for similar housing and businesses in the immediate project area will not be identified.

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*Equestrian, Pedestrian, and Bicycle Facilities*

This section will identify and describe potential impacts on pedestrian, equestrian, and bicycle facilities.

- d. *Economics (includes commercial and industrial development, employment, local tax base, etc.)*

This section will briefly describe commercial development in the area and discuss the direct effects associated with improved traffic operations including development and redevelopment opportunities.

- e. *Hazardous Materials*

ENTRANCO will prepare a Pre-Phase I Assessment for hazardous materials, including a field reconnaissance and regulatory records search. The assessment will meet ADOT's requirements and all applicable federal hazardous materials regulations. ENTRANCO shall summarize the results of the assessment for inclusion in the EA.

- f. *Air Quality*

The project is located in an area of nonattainment for ozone, carbon monoxide, and PM<sub>10</sub>. A complete air quality analysis (modeling) for the project area and a separate technical report will be completed. The air quality modeling/analysis scope will include the following tasks:

- Evaluation of the contribution of vehicular emissions to the ambient air quality resulting from the proposed action.
- Derivation of estimates of predicted emissions and ambient concentrations using EPA-approved MOBILE5a and CAL3QHC computer models.
- Modeling for two future build and the no-build scenarios.
- Inclusion of the existing air quality and the methodologies, assumptions, and results of the air quality impact analysis in a technical report.

The air quality modeling scope includes the following assumptions:

- Current aerial photographs will be provided to ENTRANCO by ADOT, the design consultant, or an outside consultant.
- ADOT, the design consultant, or an outside consultant will provide electronic data files detailing the existing roadway geometry for I-17 and the proposed interchange, and up to 1,000 feet in each direction outside project limits. This data will include geometry for all proposed ramps, auxiliary lanes, and frontage roads, and should include information regarding elevation, roadway vertical and horizontal alignment,

and right-of-way limits. It also will be necessary to identify any ramps that will be metered.

- Existing design-year build and design-year no-build traffic data will also be provided, including AM and PM peak hour traffic volumes, by ADOT, the design consultant, or an outside consultant. This data will be required for I-17 and the proposed interchange, frontage roads and all cross-streets. Information for the existing design-year build and design-year no-build scenarios will be provided by ADOT, the design consultant, or an outside consultant including the following: lane arrangements and turning movements; vehicles per hour per lane; average traffic speed; average signal cycle length; average red time for each approach; clearance interval lost time; saturation flow rate (vehicles per hour of effective green time); traffic signal type; arrival type; and level of service designations.

g. *Noise*

A field review indicated that no receivers are located in the project vicinity. ENTRANCO will qualitatively discuss noise impacts in the EA per ADOT's *Noise Abatement Policy* and the FHWA *Noise Abatement Criteria* (NAC).

h. *Visual Quality*

This section will generally describe the visual character of the area and qualitatively assess potential changes in the visual character resulting from the project. Potential impacts from light and glare will also be evaluated.

i. *Utilities*

This section will describe the type and location of affected utilities as identified by the design consultant or ADOT. The general requirements for utility replacement and relocation will be discussed. Temporary service disruptions and potential future utility demand indirectly created by the project will be qualitatively described, as appropriate.

j. *Water Quality*

This section will qualitatively describe potential water quality impacts associated with the project and discuss the applicability and requirements of the State of Arizona Water Control Policy and Sections 404 and 401 of the *Clean Water Act*.

k. *Floodplains and Jurisdictional Waters of the U.S.*

ENTRANCO will evaluate the project area for the presence of jurisdictional waters of the U.S., as regulated by the U.S. Army Corps of Engineers (COE). If jurisdictional waters will be affected by the project, ENTRANCO will determine the area of impact and will delineate the jurisdictional waters according to COE and ADOT guidelines (COE 1987, ADOT 1998). ENTRANCO will then determine the appropriate COE permit based on

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the delineation and the project design. ENTRANCO will prepare the necessary permit application for ADOT submittal to the COE. ENTRANCO anticipates that one or more nationwide permits will be applicable to the project. Should an individual permit be necessary, a task amendment will be needed to address the change in scope. Design changes that affect the area of jurisdictional waters affected may also require a change in scope. Because more than five acres of land will be disturbed, a National Pollutant Discharge Elimination System (NPDES) permit will be required. The ADOT Roadside Development Section will determine who will prepare the Storm Water Pollution Prevention Plan (SWPPP).

Impacts to wetlands are not anticipated for this project, however, ENTRANCO will evaluate the potential presence of wetlands in the project area.

ENTRANCO will review Federal Emergency Management Agency maps for floodplains in the project vicinity. If there are substantial effects to a 100-year floodplain, ENTRANCO will assist ADOT with a submittal of floodplain mapping revisions.

l. *Sole Source Aquifer*

Preliminary review indicates that no sole source aquifers are located in the project vicinity. Consequently, ENTRANCO anticipates a statement of negative declaration for this element of the environment.

m. *Biotic Communities*

ENTRANCO will conduct a field review of the project area to qualitatively determine the existing native plant communities and wildlife habitats. ENTRANCO will coordinate with Arizona Game and Fish Department (AGFD), U.S. Fish and Wildlife Service (USFWS) and Arizona Department of Agriculture during the project scoping to obtain agency comments. ENTRANCO will review the most recent list of federal endangered and threatened species in Maricopa County to determine the potential presence of any listed species in the project vicinity, as required under the *Endangered Species Act*. ENTRANCO anticipates that potential habitat for the Cactus Ferruginous Pygmy-owl is present, according to recent and proposed habitat guidelines of USFWS. ENTRANCO will determine if pygmy-owl surveys are needed; pygmy-owl surveys are not included in this work plan and would require a change in scope. ENTRANCO will prepare a brief written report on the biological evaluation of the project, and will summarize the report's findings in the EA.

ENTRANCO will review the presence of protected native vegetation in the project area, and notify ADOT who will prepare the appropriate notice to the Arizona Department of Agriculture. We anticipate that native plants are present in the project area.

ENTRANCO will coordinate with AGFD to address wildlife concerns. If necessary, mitigation measures will be developed with AGFD to address any substantial wildlife impacts.



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n. *Cultural Resources (includes historical and archaeological resources)*

Because new right-of-way will be required for this project, a cultural resources inventory will be necessary. ENTRANCO will consult with the ADOT EPS Historic Preservation Coordinator, conduct a cultural resources literature search at ADOT, and complete a Cultural Resources Assessment form for review and approval by the Historic Preservation Coordinator. This consultation will determine additional cultural inventory requirements for this project. Additional literature reviews will be conducted at the Arizona State Historic Preservation Office (SHPO), the Arizona State Museum (ASM), and the Bureau of Land Management General Land Office to determine the potential for both prehistoric and historic culturally sensitive resources as well as previous investigations in proximity to the project area.

ENTRANCO will conduct a Class III, non-collection cultural resources field inventory of the proposed project area. ENTRANCO has an ASM blanket permit authorizing us to conduct non-collection archaeological surveys on state lands, and will provide a notice of intent to conduct this survey to ASM, as specified in the permit. Because the project area includes state and private land only, no additional permits are necessary.

ENTRANCO will complete all fieldwork, separate draft and final technical reports, and ASM site cards for each cultural site identified. All fieldwork and reporting will conform to the *Secretary of the Interior's Standards and Guidelines for Archeology and Historic Preservation*, and other applicable laws and standards including but not limited to those identified in Appendix A.

Fieldwork will include a pedestrian survey, conducted in systematic transects spaced 15 meters apart; all cultural resources encountered, which meet the ASM criteria for site definition, will be recorded on ASM site cards. Draft and final reports will conform to the most recent policy of the SHPO (11/1/98) as well as ADOT EPS *Guidelines for Report Production Standards for ADOT Consultants*, and will include all appropriate figures, tables, graphics, and discussions. ENTRANCO will coordinate with ADOT and SHPO regarding cultural resources evaluations and recommendations and for Section 106 consultation.

ENTRANCO shall summarize the findings of the cultural resources literature search and field inventory within the EA.

o. *Local Traffic Patterns*

This section will describe the potential impacts on local access and parking for businesses and residences in the area.

p. *Construction Impacts*

This section will qualitatively describe potential construction impacts, including but not limited to temporary construction-related noise, dust, erosion, traffic congestion, detours and local access modifications, and temporary effects on emergency, transit and school service response times and routes.

q. *Secondary and Cumulative Impacts*

This section will qualitatively describe secondary and cumulative impacts including construction duration, potential relocations, business impacts, and community disruption, visual quality, hazardous materials, water quality, public services, and utilities.

r. *Section 4(f)/6(f)*

This section will address potential 4(f) and 6(f) impacts. Section 4(f) resources include public recreation areas, public parks, historic properties, or wildlife and waterfowl refuges. Section 6(f) resources are recreational properties acquired with grant funds from any Interagency Committee for Outdoor Recreation (IAC). Preliminary review indicates that there will be no impacts on any Section 6(f) resources. This section will address the potential presence of Section 4(f) and 6(f) resources within the project area, their local significance, potential impacts resulting from this project, and how those impacts will be mitigated.

s. *Prime or Unique Farmlands*

Preliminary review indicates that there will be no impacts on prime or unique farmlands from this project; it is anticipated that a statement of negative declaration will be included in the EA. ENTRANCO will confirm in accordance with the *Farmland Protection Policy Act* (7 USC 4202, Rules, 7 CFR Part 658).

D. *Public Hearing*

ENTRANCO shall be available to attend one public hearing and make presentations at the request of ADOT, in accordance with the Public Involvement Plan (Task II). ENTRANCO will perform the tasks identified in Task II in preparation for the public hearing. Four ENTRANCO staff, including air quality and noise specialists, will attend the hearing.

ENTRANCO will make arrangements for the public hearing including but not limited to: setting the opening and closing dates of the comment period, and preparing the Draft EA distribution list and distribution of Draft EA to appropriate agencies, jurisdictions and affected property owners.

ADOT will provide liability insurance, and coordinate the legal publication of the display advertisements in local newspapers.

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*E. Final Environmental Assessment*

ENTRANCO shall prepare the Final EA in accordance with FHWA guidelines for compliance with NEPA. To expedite completion of the document, it is anticipated that the Final EA will be prepared using an addendum-style format. This task shall include review of public and agency comment letters and response to the comments for inclusion in the Final EA and necessary revisions to the EA text. Because the content of the Final EA depends on the number and nature of comments received, ADOT and ENTRANCO agree to discuss scope and schedule ramifications at the closure of the public comment period for the Draft EA.

ENTRANCO will coordinate the distribution of the Final EA with ADOT.

*F. Review and Revisions*

ENTRANCO shall be responsible for the preparation of draft and final documents, graphics and reports as listed below. ENTRANCO will coordinate the review process with ADOT and the design consultant as discussed below.

1. Public Involvement Plan
2. Public and Agency Meetings/Hearing Handouts
3. Public and Agency Meetings/Hearing Summaries
4. Purpose and Need Memorandum (in conjunction with design consultant)
5. Environmental Overview
6. Draft EA
7. Final EA
8. Display Advertisements
9. Air Quality Technical Report
10. Cultural Resources Technical Report

ADOT will coordinate the review process for the project. ENTRANCO shall revise the documents to reflect comments of the reviewing parties, as agreed upon by ADOT and its design consultant. Reviewing parties include ADOT, FHWA, and the design consultant. If incorporation of other agency and ADOT comments, after comments have been incorporated into the documents identified above, occurs, ENTRANCO shall notify the ADOT EPS Monitor immediately if such changes do occur to discuss scope and schedule ramifications. ADOT will be responsible for resolving any conflicting comments.

It is assumed that ADOT will review one preliminary and one final version of the documents listed above in this section, with the exception of the Draft and Final EA. One additional preliminary version of the Draft and Final EA will be submitted to the ADOT EPS for pre-review prior to submittal of the preliminary Draft EA and preliminary Final EA to FHWA.

*G. Production Submittals*

ENTRANCO will produce the documents listed in Tasks III.C and IV.C.4.f and n. This includes editing, word processing, graphics, and other production aspects. ENTRANCO shall be responsible for the

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production of these documents at the following number of copies and estimated page lengths:

1. Preliminary Public Involvement Plan:
2. Final Public Involvement Plan:
3. Preliminary Meeting/Hearing Handouts: ten (10) copies at ten (10) pages per copy for each meeting and the hearing.
4. Final Meeting/Hearing Handouts: three-hundred (200) copies at ten (10) pages per copy, and one (1) copy to be retained by ENTRANCO for each meeting and the hearing.
5. Preliminary Meeting/Hearing Summaries: ten (10) copies at three (3) pages per copy, and one (1) copy to be retained by ENTRANCO for each meeting and the hearing.
6. Final Meeting/Hearing Summaries: ten (10) copies at three (3) pages per copy, and one (1) copy to be retained by ENTRANCO for each meeting and the hearing.
7. Preliminary Environmental Overview: ten (10) copies at twenty-five (25) pages per copy, and three (3) copies to be retained by ENTRANCO.
8. Final Environmental Overview: ten (10) copies at twenty-five (25) pages per copy, and three (3) copies to be retained by ENTRANCO.
9. 1<sup>st</sup> Preliminary Draft EA: eight (8) copies at sixty (60) pages per copy, and two (2) copies to be retained by ENTRANCO.
10. 2<sup>nd</sup> Preliminary Draft EA: eight (8) copies at sixty (60) pages per copy, and two (2) copies to be retained by ENTRANCO.
11. Draft EA: thirty (30) copies at sixty (60) pages per copy, and five (5) copies retained by ENTRANCO.
12. 1<sup>st</sup> Preliminary Final EA: eight (8) copies at twenty (20) pages per copy, and two (2) copies to be retained by ENTRANCO.
13. 2<sup>nd</sup> Preliminary Final EA: eight (8) copies at twenty (20) pages per copy, and two (2) copies to be retained by ENTRANCO.
14. Final EA: twenty (20) copies at twenty (20) pages per copy, and five (5) copies to be retained by ENTRANCO.
15. Preliminary Air Quality Technical Report: two (2) copies at fifty (50) pages per copy.
16. Final Air Quality Technical Report: three (3) copies at fifty (50) pages per copy.
17. Preliminary Cultural Resources Technical Report: six (6) copies at twenty (20) pages per copy.
18. Final Cultural Resources Technical Report: six (6) copies at twenty (20) pages per copy.

*I. Environmental Project Management*

ENTRANCO shall be responsible for all environmental project management tasks identified throughout the scope, as well as project scheduling, budget preparation, attendance at all monthly meetings, and overall project coordination. ADOT will be responsible for the tasks listed below as well as those previously mentioned in this agreement.

1. Lead agency at public meetings and hearing.
2. Publish ads.
3. Screen comments.
4. Liability insurance.

# ATTACHMENT A

Labor Hours to Complete the EA Process  
Daisy Mountain/I-17 Interchange

ENTRANCO STAFF									
	Principal Environmental Scientist	Sr. Env. Planner	Env. Scientist	Env. Planner	Tech./CAD	Tech./Drafter-Graphic	Clerical	SUBTOTAL	
PUBLIC INVOLVEMENT PLAN	2		6				2	10	
PROJECT SCOPING									
Agency & Public Scoping				2				2	
Scoping Letters				2				2	
Agency Meeting Invitation				2				2	
Prepare Display Advertisement		7						7	
Prepare Mailing List				4				4	
Mail Meeting Invitations				4			6	10	
Schedule Meeting Locations		6						6	
Prepare Information Handout	1	2		4		4	1	12	
Prep. Sign-in & Comment Forms				2				2	
Graphic Information Boards	2	4				20	4	30	
Printing and Mounting (Outside)									
Attend Meeting (4)	6	6	6	6				24	
Comment Summary		2		4			1	7	
Answer Agency and Public Calls	1	4						5	
Scoping Report									
Draft Report	1			6			1	8	
Revise Report	1			2				3	
SUBTOTAL	14	31	12	38	0	24	15	134	

EXHIBIT "C"

**ATTACHMENT A**  
**Labor Hours to Complete the EA Process**  
**Daisy Mountain/I-17 Interchange**

ENTRANCO STAFF									
	Principal Environmental Scientist	Sr. Env Planner	Env. Scientist	Env. Planner	Tech./CAD	Tech./Drafter-Graphic	Clerical	SUBTOTAL	
<b>ENVIRONMENTAL ASSESSMENT</b>									
<b>Alternatives Selection Process</b>									
Prepare Environmental Overview	1	8	12	16		4	4	45	
Revise Environmental Overview	1			6			2	9	
Prepare Purpose and Need Statement	1	8					2	11	
Revise Purpose and Need Statement		4					1	5	
Attend Alt. Process Meetings (3)	8							8	
Review Alt. Selection Report	2							2	
<b>Public Info. Meeting</b>									
Prepare Display Advertisement		7						7	
Expand Mailing List				4				4	
Mail Meeting Invitations				4			6	10	
Schedule Meeting Locations		6						6	
Prepare Information Handout	1	2		2		2	1	8	
Prep. Sign-in & Comment Forms				2				2	
Graphic Information Boards		4				23		27	
Printing and Mounting (Outside)									
Attend Meeting (3 Representatives)	6	6	6					18	
Comment Summary		2					1	3	
Answer Agency and Public Calls	1	4						5	

EXHIBIT "C"

**ATTACHMENT A**  
**Labor Hours to Complete the EA Process**  
**Daisy Mountain/I-17 Interchange**

ENTRANCO STAFF									
	Principal Environmental Scientist	Sr. Env. Planner	Env. Scientist	Env. Planner	Tech /CAD	Tech /Drafter-Graphic	Clerical	SUBTOTAL	
<b>Newsletters (2)</b>									
Compose Newsletters		4						4	
Review and Revisions	1	2						3	
Newsletter Distribution				2			3	5	
<b>Press Release (1)</b>									
Draft Press Release	1	1		1				3	
Review and Revisions				1				1	
Coord. w/ ADOT Public Relations		1						1	
SUBTOTAL	23	59	18	38	0	29	20	187	
<b>Draft Environmental Assessment</b>									
<b>Technical Analyses</b>									
Air Quality	8	10	97		43		6	164	
Noise Analysis	2		16					18	
Hazardous Mat.	2			8				10	
Biological	2		40					42	
Governmental Policy		2						2	
Existing Conditions									
Land Use		2		6				8	
Socioeconomic		1						1	
Roadway Features & Geometrics				2				2	

EXHIBIT "C"

**ATTACHMENT A**  
**Labor Hours to Complete the EA Process**  
**Daisy Mountain/I-17 Interchange**

ENTRANCO STAFF									
	Principal Environmental Scientist	Sr. Env. Planner	Env. Scientist	Env. Planner	Tech /CAD	Tech./Drafter-Graphic	Clerical		SUBTOTAL
Traffic & Traffic Control				1					1
Utilities				1					1
Drainage & Water Resources		2							2
Cultural Resources	2		248			16	4		270
SUBTOTAL	16	17	401	18	43	16	10		521
Prepare Draft Document									
Project Description				8					8
Purpose and Need	2		2	6					10
Existing Conditions				2					2
Alternatives Considered									
Alternative Descriptions			3						3
Alternative Elimination			2						2
Economic Considerations				3					3
Minority Considerations			1						1
Social Impacts			2						2
Hazardous Materials			1	3					4
Air Quality			2						2
Noise			2						2
Visual Quality	1			1					2
Utilities				1					1



# ATTACHMENT A

## Labor Hours to Complete the EA Process Daisy Mountain/I-17 Interchange

### ENTRANCO STAFF

	Principal Environmental Scientist	Sr. Env. Planner	Env. Scientist	Env. Planner	Tech/CAD	Tech/Drafter-Graphic	Clerical	SUBTOTAL
Water Resources				1				1
Biotic Communities				1				1
Cultural Resources			3					3
Construction Impacts	1			4				5
Secondary & Cum. impacts	1	1		2				4
Coordination				3				3
Section 4(f) Evaluation	3		3					6
Documentation Graphics								
Typical Sections						5		5
Existing Vertical Profile						1		1
Project corridor						3		3
Eliminated Alternatives				1		2		3
Recommended Alternative				1		2		3
Zoning				1		4		5
Air and Noise Graphics				1				1
Section 4(f)						2		2
Word Processing & Formatting	4						12	16
Document QC/Tech. Reviews	8	4				4		16
Revisions After ADOT and FHWA Review	8	4		16		4	16	48
Production				2			3	5
Distribution	1			8			3	12

EXHIBIT "C"

# ATTACHMENT A

Labor Hours to Complete the EA Process  
Daisy Mountain/I-17 Interchange

## ENTRANCO STAFF

	Principal Environmental Scientist	Sr. Env. Planner	Env. Scientist	Env. Planner	Tech./CAD	Tech./Drafter-Graphic	Clerical	SUBTOTAL
SUBTOTAL	29	9	21	65	0	27	34	185
Public Hearing								
Prepare Display Advertisement		7						7
Expand Mailing List				4				4
Mail Meeting Invitations				4			6	10
Schedule Meeting Locations		6						6
Prepare Information Handout	1	2		2		2	1	8
Prep. Sign-in & Comment Forms				2				2
Graphic Information Boards		2				16		18
Printing and Mounting (Outside)								
Attend Hearing (4 Staff)	6	6	6	6				24
Comment Summary		2					1	3
Answer Agency and Public Calls	1	4						5
Prepare Final Document								
Prepare Pre-Final	4		16	16			8	44
Revise Per ADOT & FHWA Comment	2		8	8			4	22
Production				2			3	5
Distribution	1			8			3	12
SUBTOTAL	15	29	30	52	0	18	26	170

EXHIBIT "C"

# ATTACHMENT A

Labor Hours to Complete the EA Process  
Daisy Mountain/I-17 Interchange

ENTRANCO STAFF									
	Principal Environmental Scientist	Sr. Env Planner	Env. Scientist	Env Planner	Tech/CAD	Tech/Drafter-Graphic	Clerical	SUBTOTAL	
PROJECT MEETINGS									
Monthly Team Mtgs. (12)	52	16	30					98	
Administration	12						12	24	
Other Mtgs. (5)	18	6	20					44	
SUBTOTAL	82	22	50	0	0	0	12	166	

TOTAL HOURS	179	167	532	211	43	114	117	1363	
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STAFF RATES	\$31.35	\$28.51	\$28.51	\$28.51	\$25.67	\$16.39	\$14.63		
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DIRECT LABOR COSTS	\$5,611.65	\$4,761.17	\$15,167.32	\$6,015.61	\$1,103.81	\$1,868.46	\$1,711.71	\$36,239.73	
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OVERHEAD 159.28% \$57,722.64

SUBTOTAL \$93,962.37

FEE @10.5% \$9,866.05

SUBTOTAL \$103,828.42

TOTAL ENTRANCO COST \$103,828.42

EXHIBIT "C"

**Labor Hours to Complete the EA Process**  
**Daisy Mountain/I-17 Interchange**

<b>SUBCONSULTANTS</b>	<b>\$600.00</b>
4 Court Reporters	
<b>TOTAL SUBCONSULTANT COST</b>	<b>\$600.00</b>

**EXPENSES**

Outside Printing and Mounting (28 Display Boards @ \$52.00 ea.)	\$1,456.00
Outside Copies, Covers, and Report Bindings (88 Reports X \$8.00)	\$704.00
Mileage (1140 Miles @ \$0.325/Mile)	\$370.50

TOTAL EXPENSES COST \$2,530.50

**TOTAL \$106,958.92**